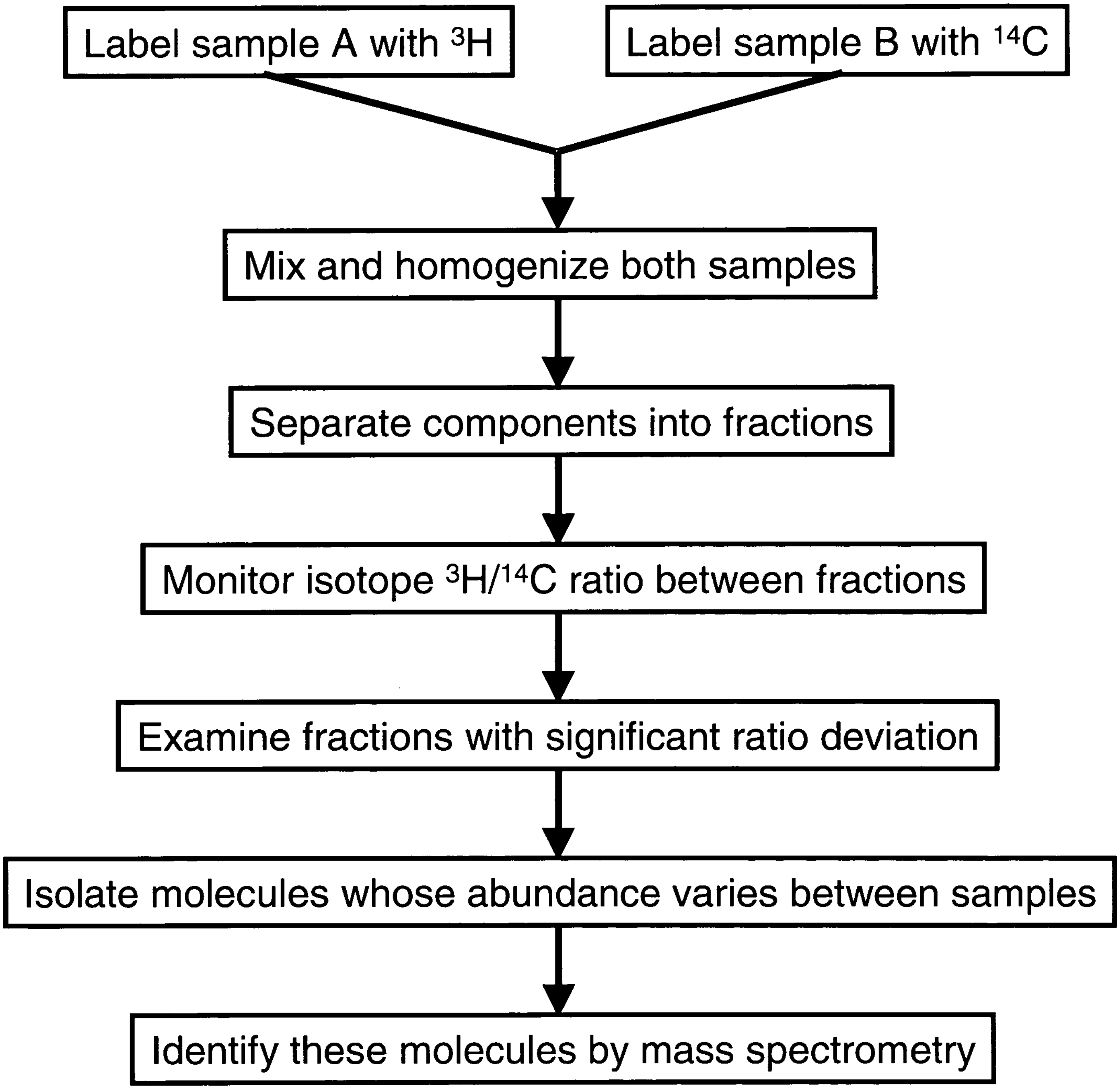
Label sample A with ^{3}H
Label sample B with ^{14}C
Mix and homogenize both samples
Separate components into fractions
Monitor isotope ^{3}H/^{14}C ratio between fractions
Examine fractions with significant ratio deviation
Isolate molecules whose abundance varies between samples
Identify these molecules by mass spectrometry

Figure 1

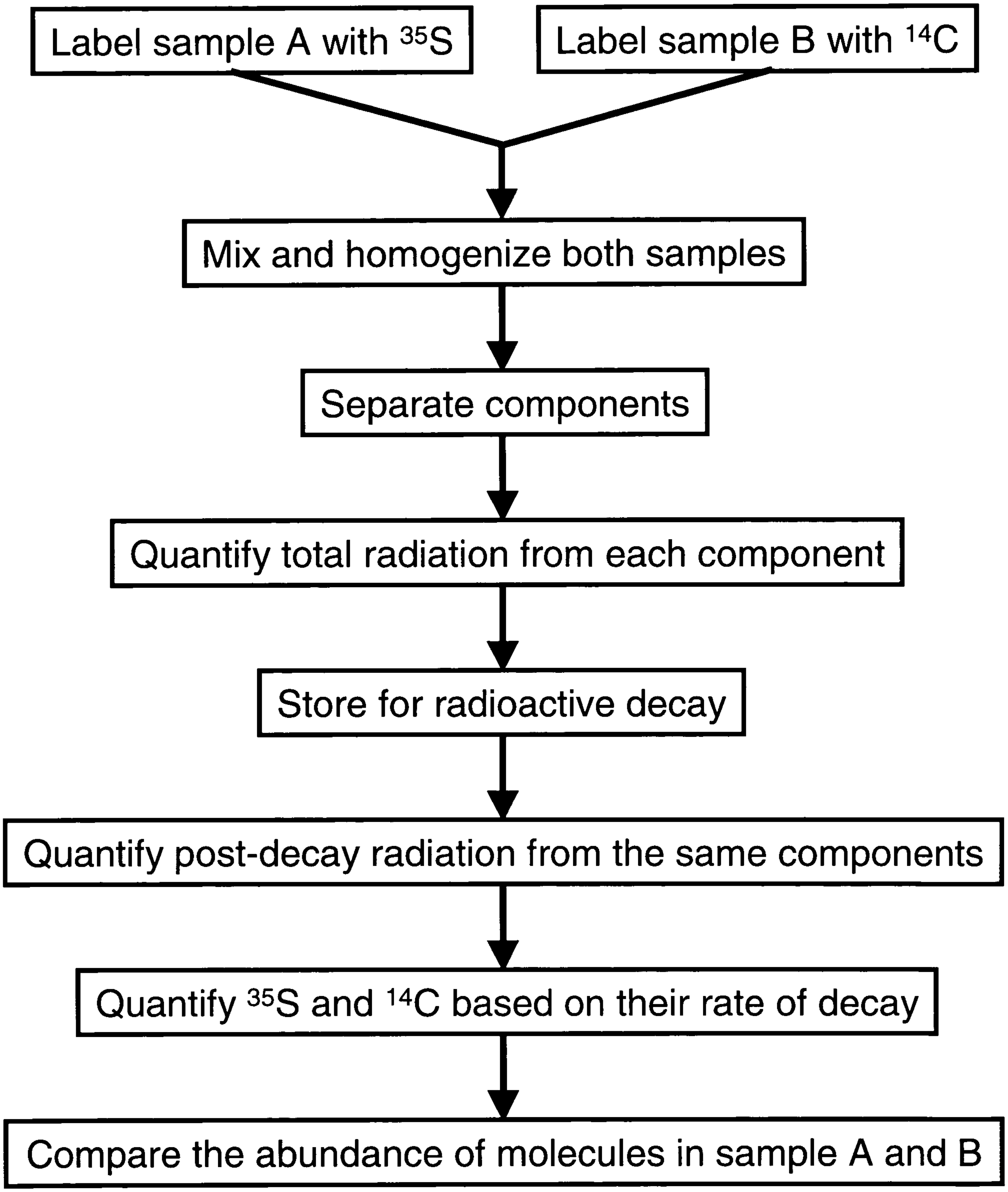
Label sample A with ^{35}S
Label sample B with ^{14}C
Mix and homogenize both samples
Separate components
Quantify total radiation from each component
Store for radioactive decay
Quantify post-decay radiation from the same components
Quantify ^{35}S and ^{14}C based on their rate of decay
Compare the abundance of molecules in sample A and B

Figure 2

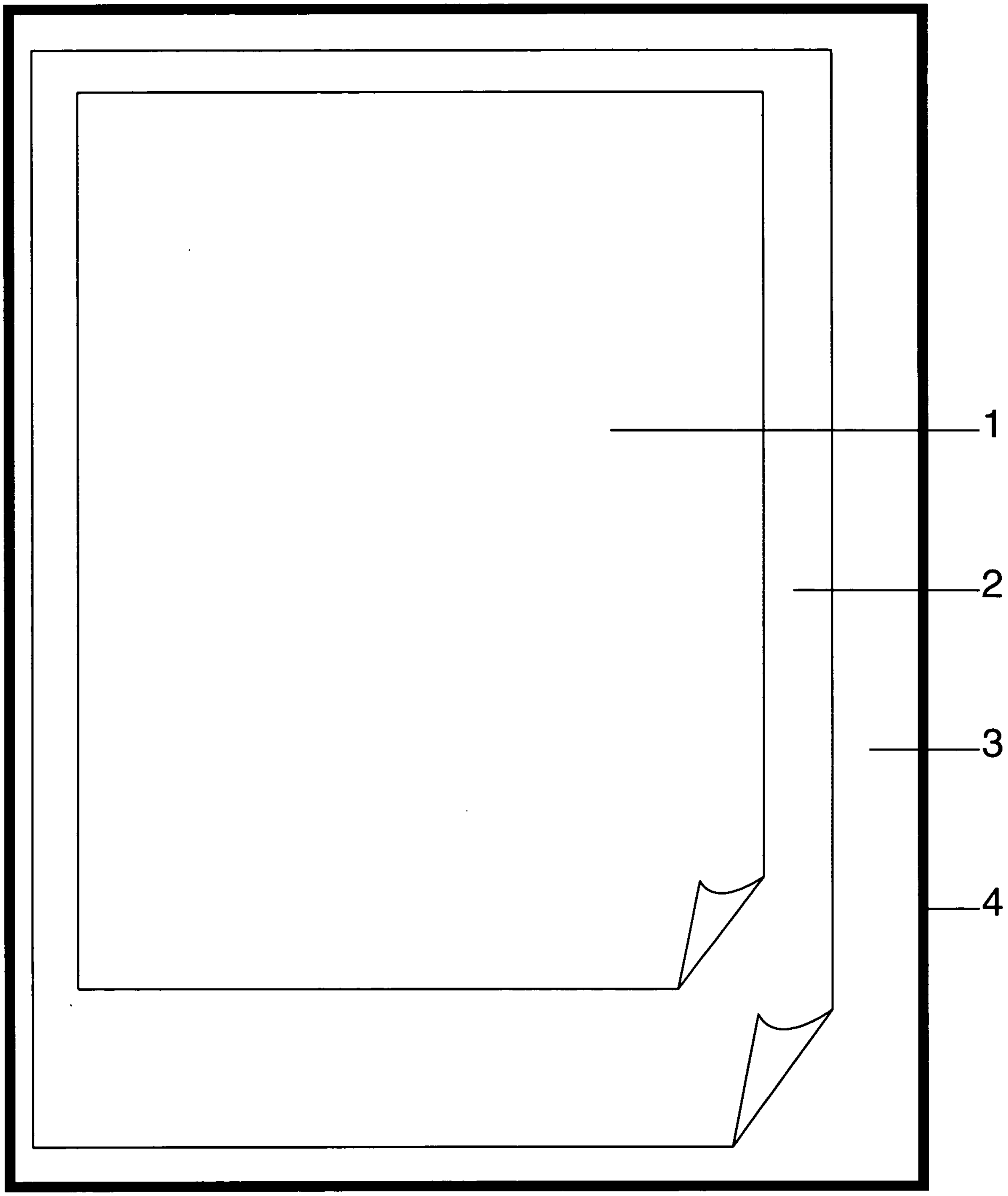

Figure 3

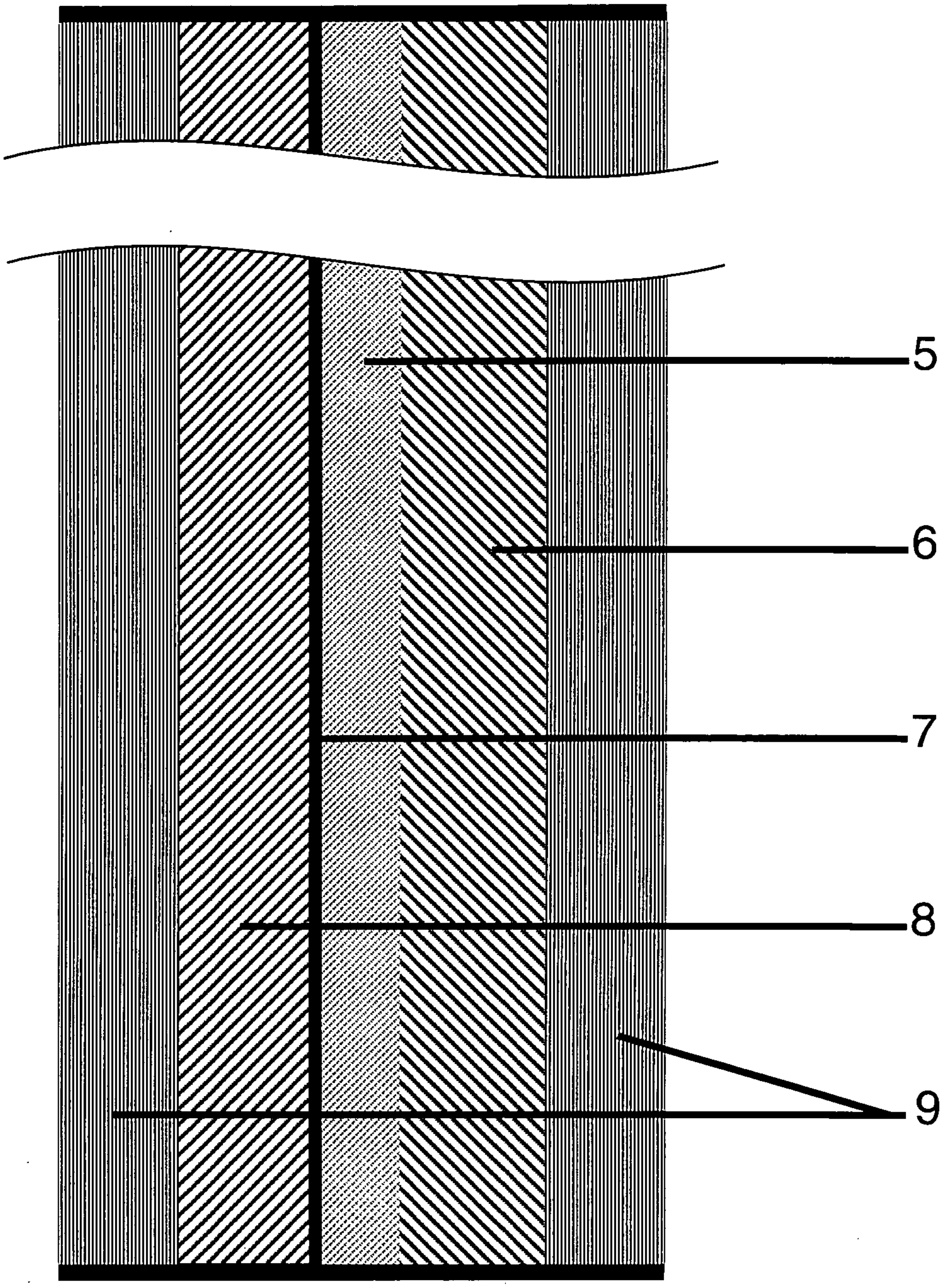

Figure 4